Title (en)

SUPPLY CARTRIDGE, SYSTEM OF SUPPLY CARTRIDGES AND PROCESS OF OPERATION OF A MACHINE USING SAID SYSTEM OF SUPPLY CARTRIDGES

Title (de)

KAPSELN, SYSTEM UND MACHINE

Title (fr)

CAPSULE, SISTEM ET MACHINE

Publication

EP 3257787 A1 20171220 (EN)

Application

EP 16712536 A 20160211

Priority

- PT 10820715 A 20150211
- PT 2016050003 W 20160211

Abstract (en)

The present invention refers to a supply cartridge (1) comprising a package casing (11) adapted for housing a support (2) of single portions, provided as a strip-like flexible support, or similar, and presenting a plurality of single dose portions (21) of an edible substance, such as for example coffee, disposed successively along a respective longitudinal direction. In particular, the supply cartridge (1) according to the present invention comprises a package casing (11) that presents an exit open adapted so that provided a more efficient and reliable displacement of said support (2) of single portions out of said package casing (11). The present invention further refers to a system of supply cartridges comprising at least two types of supply cartridges (1, 1'), as well as to a process for preparing beverages in a machine (10) for preparing beverages of the type of the present invention.

IPC 8 full level

B65D 85/804 (2006.01); **B65D 81/00** (2006.01); **B65D 81/03** (2006.01)

CPC (source: CN EP US)

A23F 5/243 (2013.01 - US); **A47J 31/3647** (2013.01 - US); **A47J 31/3657** (2013.01 - US); **A47J 31/3676** (2013.01 - CN US); **B65D 83/0472** (2013.01 - CN EP US); A47J 31/3661 (2013.01 - US)

Citation (search report)

See references of WO 2016130034A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10640281 B2 20200505; **US 2018022533 A1 20180125**; BR 112017017252 A2 20180417; CN 107912035 A 20180413; CN 107912035 B 20191206; EP 3257787 A1 20171220; EP 3257787 B1 20190619; ES 2746283 T3 20200305; PT 108207 A 20160811; WO 2016130034 A1 20160818

DOCDB simple family (application)

US 201615550104 A 20160211; BR 112017017252 A 20160211; CN 201680020363 A 20160211; EP 16712536 A 20160211; ES 16712536 T 20160211; PT 10820715 A 20150211; PT 2016050003 W 20160211